ABSTRACT

An architecture for use in controlling and managing optical functions and optical devices. A common microprocessor based control layer coordinates commands between optical devices and a user station. The control layer executes an operating system which handles data flow in the control layer. Generic commands from the user station causes the operating system to call specific subroutines the produce digital commands. These digital commands are then passed to a digital layer that interfaces with an analog layer. The analog layer is specifically developed to interface and work with a specific optical device. The analog layer thus directly controls the optical device including changing its settings based on input from the digital layer.